

^{110}Ag IT decay (249.83 d) 1965Ge01,1993Ka37,1975Cl03

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal and F. G. Kondev		NDS 113, 1315 (2012)	1-Aug-2011

Parent: ^{110}Ag : E=117.59 5; $J^\pi=6^+$; $T_{1/2}=249.83$ d 4; %IT decay=1.33 8

1965Ge01, 1993Ka37: Reaction: $^{109}\text{Ag}(n,\gamma)$. Measured: ce.

1975Cl03: $^{110}\text{Ag}^m$ (249.83 d) Decay. Measured: ce-inner shell vacancy delayed coincidences. Deduced: $T_{1/2}$, J^π . $^{109}\text{Ag}(n,\gamma)$,

E=thermal. Measured: E_γ , γ -inner shell delayed coincidences.

Others: 1967Mo12, 1965Ha07, 1963Su07, 1962Ka07, 1950Si01.

 ^{110}Ag Levels

E(level) [†]	J^π [†]	$T_{1/2}$ [†]
0.0	1 ⁺	24.56 s 11
1.112 16	2 ⁻	660 ns 40
117.59 5	6 ⁺	249.83 d 4

[†] From Adopted Levels.

 $\gamma(^{110}\text{Ag})$

E_γ	I_γ [‡]	E_i (level)	J_i^π	E_f	J_f^π	Mult.	α [†]	$I_{(\gamma+ce)}$ [#]	Comments
1.16 3	0.00142 13	1.112	2 ⁻	0.0	1 ⁺	E1	933 66	1.33 8	E_γ : From 1993Ka37. I_γ : Estimated by the evaluators using $I(\gamma+ce)$ and α . Mult.: M1/M2/M3=0.3 1/1.0/2.1 4, N1/N2/N3=0.25 10/1.00/2.0 6 (1993Ka37). Theoretical Ice ratios (calculated by T. Kibedi, priv. communication) with the RAINE code using the same atomic and nuclear parameters as BRICC by T. Kibedi: M1/M2/M3= 0.3/1.0/2.2, N1/N2/N3=0.43/1.00/2.11. α : 933 66, calculated with the RAINE code using the same atomic and nuclear parameters as BRICC (T. Kibedi, private communication).
116.48 5	0.0080 5	117.59	6 ⁺	1.112	2 ⁻	M4	164.9 17	1.33 8	E_γ : From 1990Me15. I_γ : From $I(\gamma+ce)$ and α . Other: 0.0085 3 in 1990Me15 relative to $I_\gamma(658)=100$. Mult.: From K/L=2.04 6, L1/L2=4.8 5, L1/L3=1.02 2 (1965Ge01). Other: K/L=2.1 2 (1963Su07), K/L=1.95 10 (1965Ha07).

[†] Additional information 1.

[‡] Absolute intensity per 100 decays.

[#] For absolute intensity per 100 decays, multiply by 0.0133 8.

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